

KOVALENKO, G.
KOVALENKO, G.

~~_____~~
The role of State Bank branches in developing the Ukrainian
national economy. Den. i kred. 15 no. 11:10-17 M '57. (MIRA 10:12)

1. Upravlyayushchiy Ukrainskoy respublikanskoy kontoroy Gosbanka.
(Ukraine--Banks and banking)

KOVALENKO, G.

Credit planning under the new conditions. Den. i kred. 16 no.3:
38-43 Mr '58. (MIRA 11:5)

1. Upravlyayushchiy Ukrainskoy respublikanskoy kontoroy Gosbanlca.
(Ukraine--Credit)

KOVALENKO, G.

~~for further improvement in bank work.~~ Den. i kred. 16 no. 7:36-40
J1 '58. (MIRA 11:7)

(Banks and banking)

KOVALENKO, G.; POLYAKOV, I.

Organization of currency circulation in the Union Republics.
Den. i kred. 17 no. 6:19-27 Je '59. (MIRA 12:10)

1. Upravlyayushchiy Ukrainskoy respublikanskoy kontoroy Gosbanka
(for Kovalenko). 2. Upravlyayushchiy Belorusskoy respublikanskoy
kontoroy Gosbanka (for Polyakov).
(Ukraine--Money) (White Russia--Money)

KOVALENKO, G.

Give more attention to work with personnel. Den. i kred. 17 no.8:32-37
Ag '59. (MIRA 12:11)

(Ukraine--Finance--Study and teaching)

KOVALENKO, G.

Conducting the exchange of money. Den. 1 kred. 18 no.10:42-43 0
'60. (MIRA 13:10)

1. Upravlyayushchiy Ukrainskoy respublikanskoy kontoroy Gosbanka.
(Ukraine--Banks and banking)
(Money)

KOVALENKO, G.

State Bank credits aid the development of the motion-picture
net work. Len. i kred. 19 no. 2:63-65 F '61. (MIRA 14:2)
(Credit) (Ukraine--Motion-picture theaters)

KOVALENKO, G.

Organize work planning of public laundries more efficiently.
Zhil.-kom.khoz. 6 no.8:9 '56. (MLRA 10:2)

1. Upravlyayushchiy Leningradskim trestom prachechnykh.
(Leningrad--Laundries, Public)

KOVALENKO, G.

The separate accounting of laundry by laundries according to its source. Zhil.-kom.khoz. 7 no.8:20-21 '57. (MIRA 10:10)

1. Upravlyayushchiy Leningradskim gorodskim trestom prachechnykh.
(Laundries)

KOVALENKO, G.

For mechanization and automation of laundry enterprises. Zhil-kom.
khoz. 8 no. 5:22 '58. (MIRA 11:6)

1. Upravlyayushchiy Leningradskim gorodskim trestom prachechnykh.
(Leningrad--Laundry machinery) (Automatic control)

KOVALENKO, G.

Cordless iron. Zhil.-kom.khoz. 9 no.1:26-27 '59. (MIRA 12:3)

1. Upravlyayushchiy Leningradskim gorodskim trestom prachechnykh,
Leningrad.

(Leningrad--Electric irons)

KOVALENKO, G.

Handling laundry in small batches. Zhil.-kom. khoz. 10 no.8:16-18
'60. (MIRA 13:9)

1. Predsedatel' proizvodstvenno-massovoy komissii gruppoma
rabochikh ban' i prachechnykh g. Leningrada, g. Leningrad.
(Leningrad--Laundries, Public)

KOVALEVNO, G.

Mechanized feeding of washing solutions to washing machines.
Zhil.-kon. khoz. 11 no. 1:26-27 '61. (MILU 14:2)

1. Zam. predstatelya proizvodstvenno-massovoy komissii grupp korn
rabochikh ten' i prachechnykh Leningrada.
(Washing machines) (Washing powders)

KOVALENKO, G.

Indelible pigment for marking linen in laundries. Zhil.-kom.
khóz. 11 no. 2:10 F '61. (MIRA 14:5)

1. Zamestitel' predsedatelya proizvodstvenno-massovoy komissii
gruppoma rabochikh ban' i prachechnykh Leningrada, g. Leningrad.
(Laundry)

Kovalenko, G.A.

SOKOLOV, V.F., inzh.; KOVALENKO, G.A., inzh.; KUZNETSOV, Yu.N., inzh.

Maneuvering properties of vessels equipped with turning gear.

Rech. transp. 17 no.4:20-23 Ap '57.

(MIRA 11:4)

(Steering gear)

KOVALENKO, G.D.

Metal coating of ceramic-metal tool bits. Stan. 1 instr. 27 no. 11, 35-
36 H '56. (MAY 10, 1)

(Cutting tools) (Metal spraying)

SOV/123-59-15-59555

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 15, p 96 (USSR)

AUTHORS: Kovalenko, G.D., Fishbeyn, G.L.

TITLE: High Capacity Devices Cutting Down Auxiliary Time

PERIODICAL: Byul. tekhn.-ekon. inform. Sovnarkhoz Khar'kovsk. ekon. adm. r-na, 1958, Nr 2, pp 45 - 54

ABSTRACT: The design of devices are described which were introduced at the Plant imeni Malyshev in Khar'kov. A two-operation device for double-faced milling on horizontal milling machines is mentioned. The existence of two rotating devices reduces the auxiliary time: When milling machine parts in the first position, the finished workpiece can be removed and a new one put on for machining in the second position. Six-spindle drilling heads with expanding hinge joint and cranked spindles are shown. A 6-spindle drilling head with a built-in planetary gear is described, which is fitted on the hexahedral turret of turret lathes and permits to carry out turning and drilling operations with one chucking of the workpiece. A device is shown for the machining of workpieces which are assembled in an adapter in which the machine parts are fixed by the

Card 1/2

SOV/123-59-15-59555

High Capacity Devices Cutting Down Auxiliary Time

aid of a pneumatic chamber. A turret for the tailstock of a lathe is described. The turret consists of the lower immovable part, which has a conical shaft by which it is fastened to the tailstock, and an upper movable part, spinning in the seat of the lower part. The upper part of the turret has 6 seats for the tools. The design of the jig with a swivel plate and of an indexer with a changeable position of the axis of the jig bushing in relation to the spinning axis of the jig is given. The designs of special multipurpose cutting instruments and a number of measuring devices are described. 15 figures.

A.D.L.

Card 2/2

18 (5)

SOV/128-59-11-23/24

AUTHORS: Barinov, P.G., Pershin, M.R., Kovalenko, G.D. and
Gubentov, N.Ye., Engineers

TITLE: History of the Use of Oxygen During Cast Iron Melting

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 11, p 3 of cover (USSR)

ABSTRACT: The authors state: Priority in this field belongs to the Soviet Union. In 1932, at the former Khar'kov Locomotive Plant, on the initiative of A.F. Bondarenko, the cupola blast enriched with oxygen was for the first time applied. Since 1949, the Plant has used the same method. Efficiency of cupolas was increased by 20%; temperature of cast iron was elevated to 1400°-1420°C; coke-consumption - cut down by 15%.

Card 1/1

L 29433-66 EWT(d)/T

ACC NR: AR5023749

SOURCE CODE: UR/0276/65/000/008/B107/B107

AUTHOR: Shakhnovich, I. M.; Kovalenko, G. D.; Kirichenko, A. F.

TITLE: The mastering and adoption of transmissions with Novikov gears in spindle drive units of shaft-processing lathes

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 8B795

REF SOURCE: Sb. Zubchatyye peredachi s zatsepleniym Novikova. Vyp. 2. M., 1964, 124-127

TOPIC TAGS: metal forming, gear cutting, transmission gear

ABSTRACT: Recommendations based on investigations, are given for the shape-forming of Novikov gears. It is pointed out that the latter has a life time 1.5 to 1.8 times longer than similar involute gears. The Novikov gear is recommended for the spindle drive in the serial production of shaft-processing and other lathes.

SUB CODE: 13 / SUBM DATE: none

Card 1/1

UDC: 621.9.06-229.06.2/.3-484.9

KOVALENKO, G.D., agronom po zashchite rasteniy (Cherkasskiy rayon);
TSURA, A.A., agronom po zashchite rasteniy (Chigirinskiy rayon,
Cherkasskoy oblasti); VITYUK, S.A., agronom po zashchite rasteniy
(Iltinskiy rayon, Vianitskaya obl.); BRUNNER, Yu.N., kand.biolog.
nauk (Poltava); KRUGLOVA, M.G., agronom po zashchite rasteniy
(Poltava)

From the practices in controlling the pea weevil. Zashch.rast.ot
vred. i bol. 7 no.4:9-13 Ap '62. (MIRA 15:12)
(Pea weevil—Extermination)

ZAVALIN, I.V.; SHIMANSKAYA, Ye.T.; SHIMANSKIY, Yu.I.; Prinimali uchastiye:
ARTYUKOVSKAYA L.M., student; KOVALENKO G.F., student; KHOMUTOVA, Z.N.,
student

Behavior of the density of the solution benzene-propol alcohol near
the critical point at the liquid - vapor boundary. Ukr. fiz. zhur.
9 no.5:491-496 Ky 1964. (MIRA 17:9)

1. Kiyevskiy gosudarstvennyy universitet.

KERCHA, Yu.Yu., kand. khim. nauk; VOYTSEKHOVSKIY, R.V. [Yoitsekhivs'kyi, R.V.],
kand. khim. nauk; OSTROVERKHOV, V.G. [Ostroverkhov, V.H.], kand.
khim. nauk; KOVALENKO, G.F. [Kovalenko, H.P.]; KUZNETSOVA, V.V.
[Kuznietsova, V.V.]

Effect of the esters of pentaerythritol and synthetic fatty acids
on the properties of polyvinyl chloride. Khim. prom. [Ukr.] no.3:
38-40 JI-S '64. (MIRA 17:12)

S/112/59/000/014/045/085
A052/A001

Translation from: Referativnyy zhurnal, Elektrotehnika, 1959, No. 14, p. 188,
29916

AUTHORS: Shaposhnikov, K.Ya., Kovalenko, G.G., Zyablov, R.P.

TITLE: Radio Control System (For a Comprehensive Control of Industrial
Objects)

PERIODICAL: Tr. Taganrojsk. radiotekhn. in-ta, 1958, No. 2, pp. 297-311

TEXT: A radio control system for oil wells developed by the Department of Automation and Telemechanics of the Taganrog Radiomechanical Institute is described. A distributing method of selection with a code consisting of sub-carrier frequency pulses and intervals is adopted in the system. As synchronizing pulses are used ones of 50 m sec duration with the same intervals between the pulses; as selecting pulses and intervals are used ones prolonged up to 125 m sec. Relays RKN and step finders ShI-11 and ShI-17 are applied in the circuits. Frequency modulation is adopted in the radio channel. The carrier frequency is

Card 1/2

S/112/59/000/014/045/085
A052/A001

Radio Control System (For a Comprehensive Control of Industrial Objects)

43.7 Mo, the subcarrier frequencies are 850, 1,250, 2,000 and 3,000 cycles. The sensitivity of the radio receiver is 60 microvolts. Operating range is up to 20 km. The system is fed with 48-volt rectified current. There are 8 illustrations.

B.A.K.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

KOVALENKO, G.G. [Kovalenko, H.H.]; BABICH, A.O. [Babych, A.O.]

Harvesting mixed corn and soybean crops. Mekh. sil'. hosp. 14 no.7:
7 J1 '63. (MIRA 17:2)

1. Vsesoyuznyy institut kukuruzy.

KOVALENKO, G.G.

Discrete phase method of frequency selection of remote control
signals. Priborostroneniye no.11:11-13 N '63. (MIRA 16:12)

ZYABLOV, R.P.; KOVALENKO, G.G.

Wireless remote control in oil fields. Izv. vys. ucheb. zav.;
neft' i gaz 4 no.3:113-117 '61. (MIRA 16:10)

1. Taganrogskiy radiotekhnicheskij institut.

KOVALENKO, G. I.

KOVALENKO, G. I. -- "Basedow's Disease." Tomsk State Medical Inst imeni
V. M. Molotov. Tomsk, 1956
(Dissertations for the Degree of Candidate in Medical Sciences).

SO; Knizhnaya Letopis', No 9, 1956

YASNITSKIY, B.G.; DOL'BERG, Ye.B.; KOVALENKO, G.I.

Synthesis of 2-acetylamino-5-nitrothiazole. Med. prom. SSSR 14 no.12:
35-37 D '60. (MIRA 13:12)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut.

(THIAZOLE)

YASNITSKIY, B.G.; DOL'BERG, Ye.B.; KOVALENKO, G.I.

Improved method for producing acetylamino-thiasole.

Med. prom. 15 no.6:12-43 Je '61.

(MIRA 15:3)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut.

(THIAZOLE)

YASNITSKIY, B.G.; KOVALENKO, G.I.; DOL'BERG, Ye.B.

Certain regularities in the direct liquid phase photooxidation of trichloroethylene. Dokl. AN SSSR 164 no.4:831-834 O '65.

(MIRA 18:10)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut. Submitted March 22, 1965.

KOVALENKO, G.K.; LIKHOLET, Ye.I.; KHRIPUNOV, A.I.

Plastics for manufacturing parts for vertical boring and turning
machines. Stan.i instr. 32 no.10:21-23 0 '61. (MIRA 14:9)
(Plastics) (Lathes)

KOVALENKO, Georgiy Mikhaylovich, kuznets; SAVDUCHENKO, P.A., redaktor;
DUBINA, N.A., tekhnicheskiy redaktor,

[Efficient forging methods] Proizvoditel'nye metody kovki. Izd.2-os,
dip. i perer. Moskva, Gos.nauchno-tekhn. iss-vo mashino-stroitel'nyy,
1956, 44 p. (MLRA 10:4)

1. Uralskoye (for Kovalenko)
(Forging)

KOVALENKO, G. M.

22571. KOVALENKO, G. M. Ispol'zovanie solyanum demissum v selektsii kartofelya. sbornik trudov pushkinsk. laboratorij vsesoyuz. in-ta rasteniye-vodstva. L., 1949, S. 233-48. - Bibliogr: S. 248

SO: LETOPIS' No. 30, 1949

KOVALENKO, G. (M) ...

Agriculture - Economic Aspects

"Contributing to successful management of spring planting," Den. i kred, 11, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

KOVALENKO, G. [M.]

Agricultural Credit

Assist the successful carrying-out of spring sowing. Fin. i kred. SSSR No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

KOVALENKO, G. [M.]

Use credit to effect a successful harvest and state procurement
of agricultural products. Den.1 kred. 12 no.1:12-15 J1'54.

(MLRA 8:2)

(Agricultural credit)

										PROCESS AND PROPERTY INDEX																				
COPY ELEMENT WA										Influence of carbon tetrachloride vapor on puncture voltages of air. G. M. Kovalenko. <i>Compt. rend. acad. sci. U.R.S.S.</i> 14: 545-8(1961) [in English]. At 1 atm., satn. of air with CCl ₄ increases the puncture voltage 80% in a uniform field, 150% in a nonuniform field; the effect increases with diminished pressure for a mixt. of const. compo. The values obtained are the sum of those found for air and CCl ₄ separately at the same partial pressures. The effect is also observed with an impulse voltage of 2×10^6 v./sec., and in nonuniform fields is independent of the polarity. The CCl ₄ decomposition products, C black and Cl gas, do not lower the dielec. strength H. A. B.																				2
MATERIALS INDEX										AISI-SLA METALLURGICAL LITERATURE CLASSIFICATION																				
STOCK NO. 13V-0181A										STOCK NO. 13V-0181B																				
CROSS REFERENCE										CROSS REFERENCE																				
CLASSIFICATION										CLASSIFICATION																				

BC

Resistance to electric discharge in gas mixture. C. H. U. S. A. (V) Inter-atomic distance with decrease in approx. 30% a min. occurs and NH₃ is NE₂ and Et₂ With NH₃ V covalent distance to the formation of a total product to electric discharge in gas mixture. C. H. U. S. A. (V) Inter-atomic distance with decrease in approx. 30% a min. occurs and NH₃ is NE₂ and Et₂ With NH₃ V covalent distance to the formation of a total product

PROCESSING AND PROPERTY NOTES

ASS-31A DETALLURGICAL LITERATURE CLASSIFICATION

13040 304174

13040 304174

1.52

2-1

Influence of carbon tetrachloride vapour on
breakdown voltages of air. G. M. KOZLENKO
(Compt. rend. Acad. Sci. U.R.S.S., 1937, 16, 548—
549).—Addition of CCl_4 vapour to air raises the
breakdown voltage; in mixtures, the val. of this
voltage is the sum of the breakdown voltages of CCl_4
vapour and air at pressures corresponding with the
partial pressures of the components in the mixture.
E. S. H.

ASSOCIATE METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS		PROPERTIES AND PROPERTIES INDEX		METALLOGRAPHY	
SA				B 64	
621.315.6126		1127			
<p>Microscopic properties of glass cloth in compressed gases. WIL, B. M., KRYALIN, G. M., AND PARNAS, J. M. <i>J. Phys., USSR</i>, 3, 4-5, pp. 321-326, 1940.—With increase in gas pressure the disruptive voltage of glass cloth increases but remains < that of the pure glass of the same thickness. At technical frequency for samples under investigation $\tan \delta$ was of the order of 0.001 and the resistivity of the order of $10^{15} \Omega$.</p> <p>R. R. A.</p>					
150-552 METALLURGICAL LITERATURE CLASSIFICATION					
SEARCHED		SERIALIZED		INDEXED	
YES		YES		YES	

PROCESS AND PROPERTIES INDEX																																																																																																							
<p>Breakdown potentials in hydrogen, oxygen, nitrogen, nitric oxide, hydrogen chloride, hydrogen bromide, and hydrogen iodide. O. D. S. <i>J. Physics U.S.S.R.</i>, 1940, 2, 415-423. Breakdown potentials have been measured in H_2, O_2, N_2, NO, Cl_2, HBr, and HI at a const. ratio of pressure to abs. temp. L_c with const. no. of mol. per c.c. of gas. Some data are given for the variation in breakdown potential with the no. of discharges previously made through the gas. The correlation of breakdown potential with the mol. wt., mean free path, ionization potential, crit. temp., interat. distance, and heat of dissociation of the mol. is discussed. O. D. S.</p>																																																																																																							
<p>ASM - 31.4 METALLURGICAL LITERATURE CLASSIFICATION</p>																																																																																																							
<table border="1"> <thead> <tr> <th colspan="13">SPECIALIZED INDEX</th> <th colspan="13">GENERAL INDEX</th> </tr> <tr> <th colspan="13">SPECIALIZED INDEX</th> <th colspan="13">GENERAL INDEX</th> </tr> </thead> <tbody> <tr> <td colspan="13">SPECIALIZED INDEX</td> <td colspan="13">GENERAL INDEX</td> </tr> </tbody> </table>																										SPECIALIZED INDEX													GENERAL INDEX													SPECIALIZED INDEX													GENERAL INDEX													SPECIALIZED INDEX													GENERAL INDEX												
SPECIALIZED INDEX													GENERAL INDEX																																																																																										
SPECIALIZED INDEX													GENERAL INDEX																																																																																										
SPECIALIZED INDEX													GENERAL INDEX																																																																																										

CA 3

Breakdown potentials in H_2 , O_2 , N_2 , NO , HCl , HBr and HI . (I. M. Kovalenko. *J. Tech. Phys.* (U.S.S.R.) 10, 2014-22 (1940). Breakdown potentials increase with increasing mol. wt., with decreasing free path of mole., with increasing critical temp., with increasing distances between at. nuclei in the mol., and with decreasing energy of dissociation. There is no direct relation to ionization potential. The breakdown potentials calcd. on the basis of the ionization theory agree well with the exper. data for gases with mole. consisting of 2 identical atoms; they do not agree in other cases. Reksalim Gurnow

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

EDOW-EDOWING

EDOW-EDOWING

Kovalenko, G.M.

SUBJECT: USSR/Luminescence

48-3-15/26

AUTHOR: Kovalenko G.M.

TITLE: Inversed Piezoeffect of Polycrystalline BaTiO₃ in the Statical regime of Measurements (Obratnyy p'yezoeffekt polikristallicheskogo BaTiO₃ v staticheskom rezhime izmereniy)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya fizicheskaya, 1957, Vol 21, #3, pp 394-396 (USSR)

ABSTRACT: Purposes of the present investigation were:

- a. To find out the dependence character of deformation magnitude on the intensity of a constant electric field in polarized samples of polycrystalline barium titanate, and
- b. To find out the dependence of oscillation amplitude on the intensity of an alternate electric field with a frequency of 50 c/s for the same samples.

Measurements were performed with a Zeiss interference comparator.

The magnitude of the inversed piezoeffect was measured first applying a constant voltage of the same polarity as that

Card 1/2

KOVALENKO, G.M.

Kovalenko, G.M. [Fizicheskiy institut imeni P.N. Lebedeva AN SSSR
(Physical Institute imeni P.N. Lebedev, AS USSR)] The influence of
Polishing on the Dielectric Properties of Polycrystalline Barium
Titanate

(The Physics of Dielectrics; Transactions of the All-Union Conference on the Physics
of Dielectrics) Moscow, Izd-vo AN SSSR, 1958. 245 p. 3,000 copies printed.

This volume publishes reports presented at the All-Union Conference on the Physics of
Dielectrics, held in Dnepropetrovsk in August 1956, sponsored by the "Physics of
Dielectrics" Laboratory of the Fizicheskiy institut imeni Lebedeva AN SSSR (Physics
Institute imeni Lebedev of the AS USSR), and the Electrophysics Department of the
Dnepropetrovskiy gosudarstvennyy universitet (Dnepropetrovsk State University).

AUTHOR: Kovalenko, G. M. 46-22-3-21/30

TITLE: On the Influence of Grinding on the Dielectric Properties of Polycrystalline Barium- Titanate (O vliyani shlifovki na dielektricheskiye svoystva polikristallicheskogo titanata bariya)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya, 1958, Vol. 22, Nr 3, pp. 321 - 322 (USSR)

ABSTRACT: Soviet scientists created several types of high-speed calculating machines during recent years. The calculating machine which is known from publications under the designation BESM, was constructed under the supervision of S. A. Lebedev, Member, Academy of Sciences. It carries out 7000 to 8000 arithmetic operations per second. Recently the question was put (Reference 1) whether it would be possible to use piezoelectric - amongst which were also polycrystalline - materials as "memory-elements" for calculating machines. In the present report the author submitted experimental data on BaTiO_3 and gave a quantitative explanation of the phenomenon observed. The dielectric hysteresis

Card 1/2

48-22-3-21/30

On the Influence of Grinding on the Dielectric Properties of Polycrystalline Barium-Titanate

sis loops were recorded for all samples by means of the known device (Reference 2). The values of the maximum, of the spontaneous and of the residual polarization as well as the values of the coercive field were determined by the method of calculation. It was found that the grinding of the polycrystalline samples BaTiO_3 of the thickness of 0,2; 0,1; 0,05; 0,02 and

0,01 cm causes a reduction of the value of polarization according to the transition to the thicknesses of 0,05 cm and below. It was also found that the samples of the same thickness and of the same mass with fire-polished (unground) surfaces at the transition to smaller thicknesses, increase the values of polarization slightly. The authors thanks A. M. Cherpanov for the instruction for the manufacture of the samples and S. V. Bogdanov for the discussion of the experimentally obtained results. There are 1 figure and 2 references.

Card 2/2

AVAILABLE: Library of Congress

1. Barium titanate--Dielectric properties--Effects of grinding
2. Mathematical computers--Applications 2. Bismuth titanates--Polarization

24(3)

AUTHORS:

Bogdanov, S. V., Kovalenko, G. M.,
Razbash, R. Ya., ~~Cherepanov, A. I.~~

SOV/48-22-12-23/33

TITLE:

On Dielectric Properties of Solid Solutions of the Triple
System BaTiO_3 - PbTiO_3 - BaSnO_3 (Dielektricheskiye svoystva
tverdykh rastvorov troynoy sistemy BaTiO_3 - PbTiO_3 - BaSnO_3)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1958,
Vol 22, Nr 12, pp 1500 - 1503 (USSR)

ABSTRACT:

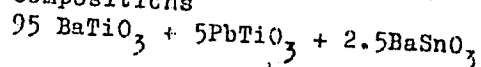
In the present paper some of the dielectric properties of
samples were investigated, the BaSnO_3 content of which was
higher by 2%, 5.5%, 10% and 15% than the sum assumed as 100%
(BaTiO_3 + PbTiO_3). The samples were produced from the initial
components BaCO_3 , PbCO_3 , TiO_2 and SnO_2 . The investigations
showed that the effect of dielectric properties is additive
in the first approximation at a lower content of PbTiO_3 and
 BaSnO_3 in solid solutions. This additivity, is, however,
disturbed in the case of a considerable content of PbTiO_3

Card 1/3

On Dielectric Properties of Solid Solutions of the
Triple System BaTiO_3 - PbTiO_3 - BaSnO_3

SOV/48-22-12-23/33

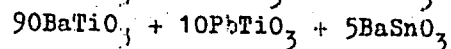
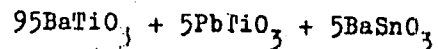
(20 ÷ 25%). This deviation can be due to two causes: first, a certain volatilization of lead is possible with a higher content of PbCO_3 in the initial solution; secondly, it is possible that an other lead compound except PbTiO_3 forms during the synthesis process, corresponding to the composition " PbSnO_3 " described in references 13-15. Its influence upon dielectric properties of solid solutions is to a certain degree equivalent to the effect of BaSnO_3 (Ref 6). In the initial layer the quantity of the forming PbSnO_3 can be assumed to be proportional to PbCO_3 and SnO_2 . The increase of the proportion of BaSnO_3 in solid solutions causes a decrease of the spontaneous polarization of the domains themselves on the one hand; on the other hand, when the voluminal electrostriction of the domains is diminished their orientation is facilitated by the electric field. The second effect is probably decisive with corresponding compositions. In the compositions



Card 2/3

On Dielectric Properties of Solid Solutions of the
Triple System BaTiO_3 - PbTiO_3 - BaSnO_3

SOV/48-22-12-23/33



a certain increase of the spontaneous and the residual polarization (as compared with pure BaTiO_3) can be observed when

the coercive force remains nearly unchanged. These compositions also show a well formed hysteresis loop of a satisfactory rectangular form at a relatively low tension of the external field. There are 5 figures, 1 table, and 15 references, 11 of which are Soviet.

ASSOCIATION: Fizicheskii institut imeni P. N. Lebedeva Akademii nauk SSSR
(Physics Institute imeni P. N. Lebedev, Academy of Sciences USSR)

Card 3/3

24(3)

AUTHORS:

~~Kovalenko, G. M.~~, Bogdanov, S. V.,
Cherepanov, A. M.

SOV/48-22-12-25/33

TITLE:

On the Effect of Admixtures of Fe_2O_3 , SrO , SnO_2 , ZrO_2 , and BaSnO_3 on the Characteristics of Dielectric Hysteresis Loops of Polycrystalline BaTiO_3 and of Solid Solutions BaTiO_3 - PbTiO_3 (Vliyaniye primesei Fe_2O_3 , SrO , SnO_2 , ZrO_2 i BaSnO_3 na kharakteristiki petli dielektricheskogo gisterezisa polikristallicheskogo BaTiO_3 i tverdykh rastvorov BaTiO_3 - PbTiO_3)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1958, Vol 22, Nr 12, pp 1508 - 1511 (USSR)

ABSTRACT:

The present paper tries to clarify the effect of some admixtures on the characteristics of dielectric hysteresis loops of pure polycrystalline BaTiO_3 as well as of some solid BaTiO_3 - PbTiO_3 solutions. Barium titanate and six of its solid solutions with a lead content up to 30% mol were used as initial materials. Fe_2O_3 , SrO , SnO_2 and ZrO_2 up to 3% by

Card 1/3

On the Effect of Admixtures of Fe_2O_3 , SrO , SnO_2 , ZrO_2 , SOV/48-22-12-25/33
and BaSnO_3 on the Characteristics of Dielectric Hysteresis Loops of Poly-
crystalline BaTiO_3 and of Solid Solutions $\text{BaTiO}_3\text{-PbTiO}_3$

weight above the initial composition were added as admixtures. Data concerning investigated compositions are recorded in table 1. The method used for the production of samples was the same as that for the extraction of barium titanate. The annealing of lead-containing composition was carried out under conditions which prevented the volatilization of lead oxide. The sintering temperature reached 1550° with some compositions. It was shown that small quantities of Fe_2O_3 , SrO , SnO_2 , ZrO_2 and BaSnO_3 are already sufficient to exert an influence on the basic characteristics of dielectric hysteresis loops of BaTiO_3 as well as of solid $\text{BaTiO}_3\text{-PbTiO}_3$ solutions. The tension of the coercitive field and the tension of the electric field required for saturation are considerably reduced by admixtures in individual cases. The sufficiently high values of spontaneous and residual polarization as well as the rectangular loops of the initial material do not change. There are 3 tables and 7 references.

Card 2/3

On the Effect of Admixtures of Fe_2O_3 , SrO , SnO_2 , ZrO_2 , SOV/48-22-12-25/33
and BaSnO_3 on the Characteristics of Dielectric Hysteresis Loops of Poly-
crystalline BaTiO_3 and of Solid Solutions $\text{BaTiO}_3\text{-PbTiO}_3$

ASSOCIATION: Fizicheskii Institut imeni P. N. Lebedeva Akademii nauk SSSR
(Physics Institute imeni P. N. Lebedev, Academy of Sciences, USSR)

Card 3/3

9.2180

85006

S/048/60/024/010/015/033
B013/B063

AUTHORS: Bogdanov, S. V., Kovalenko, G. M., and Charepanov, A. M.

TITLE: Some Physical Properties of Piezoelectric Monocrystals¹ of
Solid BaTiO₃-PbTiO₃, BaTiO₃-BaSnO₃, BaTiO₃-PbTiO₃-BaSnO₃
Solutions ²¹ ²⁷

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1960,
Vol. 24, No. 10, pp. 1234-1237

TEXT: Monocrystals of the systems mentioned in the title were obtained with a PbTiO₃ content of up to 15% and a BaSnO₃ content of up to 10% from the solution in molten KF by way of slowly cooling the solution from 1000 ÷ 1200° to ~400°C. The same method was applied for obtaining monocrystals from the initial composition 85% BaTiO₃-10%PbTiO₃-5%BaSnO₃. The crystals were bred from previously synthesized BaTiO₃, PbTiO₃, BaSnO₃, and their individual components. Plane-parallel plates without cracks nor inclusions were employed in the process. Fig. 1 shows the dependence of

Card 1/3

Some Physical Properties of Piezoelectric
Monocrystals of Solid BaTiO_3 - PbTiO_3 ,
 BaTiO_3 - BaSnO_3 -, BaTiO_3 - PbTiO_3 - BaSnO_3
Solutions

85006

S/048/60/024/010/015/033
B013/H063

the dielectric constant ϵ of BaTiO_3 monocrystals on the field strength of an alternating field. Fig. 2 shows the dependences of ϵ on the field strength of the alternating field for single crystals of different compositions. As may be seen, the dielectric constant rises with an increase of the BaSnO_3 content, compared to the ϵ of the BaTiO_3 . The increase of the PbTiO_3 content, however, is followed by a drop of the dielectric constant. For all the crystals, the authors studied the temperature dependence of ϵ at different values of the alternating field. Since it was the same for all of the monocrystals investigated, it is shown in Fig. 3, restrictedly to the composition (95% BaTiO_3 -5% PbTiO_3) only. This shows a strong differentiation of the dependence of ϵ for large fields and of $\epsilon = f(T)$ for small fields. Dielectric hysteresis loops were taken for all specimens. The measurement results are tabulated. The characteristics of the single crystals were improved in all cases by introducing Fe_2O_3 into the mixture serving for the crystal breeding. The dependences of the quantities examined on the composition of the

Card 2/3

85006

Some Physical Properties of Piezoelectric
Monocrystals of Solid BaTiO_3 - PbTiO_3 ,
 BaTiO_3 - BaSnO_3 -, BaTiO_3 - PbTiO_3 - BaSnO_3
Solutions

S/048/60/024/010/015/033
E013/B063

monocrystals were found to be the same as in polycrystalline specimens of a similar composition. However, the dielectric constant, the spontaneous and the residual polarization are higher in monocrystals whereas the coercive force is smaller than in polycrystalline specimens. The present paper was read at the Third Conference on Piezoelectricity, which took place in Moscow from January 25 to 30, 1960. There are 3 figures, 1 table, and 13 references: 9 Soviet.

Card 3/3

KOVALENKO, G.M., inzh.; PESKOV, V.G., kand. tekhn. nauk; SKOTNIKOV, V.A.,
kand. tekhn. nauk

Present state and basic trends of the development of trenching
and road-maintenance equipment. Stroil. i dor. mash. 10 no.3:
1-4 Mr '65. (MIRA 18:5)

KOVALENKO, Grigoriy Mikhaylovich, kuznets-novator, laureat Stalinskoy premii; BORINSKIY, M.L., inzh., red.; DUGINA, N.A., tekhn. red.

[Highly productive methods of forging] Vysokoproizvoditel'nye metody kovki. Moskva, Mashgiz, 1961. 53 p. (Biblioteka rabochego-mashinostroyeniya. Seriya: Peredovaya tekhnika - osnova kommunalnogo i chislenskogo truda, no.9) (MIRA 15:4)

1. Ural'skiy zavod tyazhelogo mashinostroyeniya, Sverdlovsk (for Kovalenko).

(Forging)

VIVAL'KO, I.G.; KOVALENKO, G.P.; LEPIK, L.A.

Effect of various nitrogen fertilizers on the increase of flax productivity. Dep. AN URSR no.6:556-559 '55. (MIRA 9:7)

1. Institut fiziologii roslin ta agrokhimii AN URSR. Predstaviv diysniy chlen AN URSR O.I. Dushchekin.
(Ukraine--Flax) (Fertilizers and manures)

KOVALENKO, G.P.

Each farm should have its own seed. Zemledelie 26 no.1:72
Ja '64. (MIRA 17:5)

1. Glavnyy agronom oprtnogo khozyaystva Poltavskogo nauchno-
issledovatel'skogo instituta svinovodstva.

L 38117-66 EWT(m)/EWP(m)/ETI IJP(m) JD/WW/JG

ACC NR: AP6014142

SOURCE CODE: UR/0075/65/020/012/1336/1340

AUTHOR: Yemolayev, N. P.; Kovalenko, G. S.; Krot, N. N.; Blokhin, V. I.

ORG: none

TITLE: Photometric determination of neptunium using xlenol orange

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 12, 1336-1340

TOPIC TAGS: quantitative analysis, neptunium, photometric analysis

ABSTRACT: The tests were carried out with hydrochloric acid solutions of neptunium (IV). The optical density was measured with a Model "DU" Beckman spectrometer and a JEK-M photocolormeter with a green light filter. The acidity of the solution was controlled with a type LP-5 lamp-type potentionmeter with a glass electrode. The results indicate that the absorption spectra of weakly acid solutions of xlenol orange and its complexes with neptunium (IV) are very different. In the long wave region, in which the absorption of complexes is high, the intensity of the color of the reagent is very slight. The maximum value of the molar coefficient of absorption of the products of the reaction between neptunium (IV) and xlenol orange is approximately 5.5×10^4 / cm-mole. The article proceeds to the description of a method for the determination

Card 1/2

UDC: 543.422

L 38117-66

ACC NR: AP6014142

of neptunium in solutions containing impurities of other elements. Experimental results are given in a table. The time required for determination by this method is 3 hours, and the error is ± 1 microgram. Orig. art. has: 3 figures and 1 table.

SUB CODE: 20/ SUBM DATE: 03Feb64/ ORIG REF: 005/ OTH REF: 007

Card 2/2 *all*

SMIRNOV-AVERIN, A.P.; KOVALENKO, G.S.; KROT, N.N.

Extraction of uranium (IV) from nitric acid media by tri-n-butyl phosphate. Zhur. reorg. khim. 8 no.10:2400-2406 '63.

(MIRA 16:10)

(Uranium compounds) (Nitric acid) (Butyl phosphates)

YERMOLAYEV, N.P.; KOVALENKO, G.S.; KROT, N.N.; BLOKHIN, V.I.

Photometric determination of neptunium by means of xylenol
Orange. Zhur. anal. khim. 20 no.12:1333-1340 '65.

(MIRA 18:12)

1. Submitted February 3, 1964.

SMIRNOV-AVERIN, A.P.; KOVALENKO, G.S.; YERMOLAYEV, N.P.; KROT, N.N.

Microvolumetric complexometric method of determining neptunium.
Zhur. anal. khim. 21 no. 1:76-78 '66 (MIRA 19:1)

KOVALENKO, G.T., inzh.

New developments in the operation of laundries in Leningrad.
Nov. tekhn. zhil.-kum. khoz.: Blagoustr. gor. [no.1]:76-82 '61.
(MIRA 18:5)

VLASOV, A.Ya.; KOVALENKO, G.V.

Magnetic anisotropy of sedimentary rocks. Izv. AN SSSR. Ser.
geofiz. no.12:1789-1800 E '64.

1. Institut fiziki Sibirskogo otdeleniya AN SSSR.

ACC NR: AP7004551

SOURCE CODE: UR/0387/66/000/008/0074/0082

AUTHOR: Tropin, Yu. D.; Kovalenko, G. V.

ORG: Institute of Physics, Siberian Section, AN SSSR (Institut fiziki, Sibirskoye Otdeleniye, AN SSSR)

TITLE: Magnetic anisotropy of sedimentary rocks and paleomagnetism. Method for determining the error of inclination caused by magnetic anisotropy

SOURCE: AN SSSR. Izvestiya. Fizika zemli, no. 8, 1966, 74-82

TOPIC TAGS: magnetic anisotropy, magnetization, geomagnetic field

ABSTRACT: A method is proposed for computing the error of inclination caused by anisotropy of magnetic properties. The method can be used for sedimentary rocks whose natural remanent magnetization has a sedimentation origin. The authors give in detail the theory of a new method and give the results of its application for artificial sediments. The artificial sediments used contained particles of magnetite, pyrrhotite and hematite, subjected to a pressure of up to 1,000 kg/cm². The particles of the magnetic minerals measured about 150 x 300 microns. The results of studies with these artificial sediments are still being processed and will be presented in another article. Several special cases are considered to demonstrate the applicability of the described theory and method. Its application makes paleomagnetic investigations more correct and will increase the reliability of data collected on the geomagnetic field. It appears to be possible to widen the range of rocks suitable for paleomagnetic investigations by using highly anisotropic and metamorphic rocks. The described method also will be useful in studying such geophysical problems as the theory of

Card 1/2

UDC: 550.382.3:550.384

0926

1379

ACC NR: AP7004551

movement of the pole and the theory of continental drift. Orig. art. has:
2 figures, 19 formulas and 1 table. [JPRS: 38,460]

SUB CODE: 08,20 / SUM DATE: 10Oct64 / ORIG REF: 005 / OTH REF: 011

Card 2/2

SHVETS, I.T., doktor tekhn. nauk, prof.; FEDOROV, V.I., kand. tekhn.
nauk; MARTSENYUK, Z.A., inzh.; KOVALENKO, G.V., inzh.

Analysis of transition processes in a two-shaft gas-turbine
unit. Izv. vys. ucheb. zav.; mashinostr. no.9:144-153 '63.
(MIRA 17:3)

1. Institut teploenergetiki AN UkrSSR.

KOVALENKO, G.V.

Ural'skoye sovetskoye po spektroskopii.

Ural'skoye sovetskoye po spektroskopii.

1979

Materials of the Second Ural'skoye Conference on Spectroscopy, held in Sverdlovsk, 1979. 206 p. Krasa alip is-
sered. 1,000 copies printed.

Spectroscopic Laboratory. Ural'skoye filial Akademiya Nauk SSSR. Krasa alip is-
sered. 1,000 copies printed.

Ed.: N. M. Kovalenko.

PREFACE: This collection of articles is intended for spectral analysis labo-
ratory workers at ferrous and nonferrous metallurgical plants, and for labo-
ratory personnel of the metal-working industry, geological and prospecting
organizations, and similar scientific research laboratories.

CONTENTS: The collection contains papers read at the Second Ural'skoye Conference
on the spectral analysis of ferrous and nonferrous metals and alloys,
alloys, ores, concentrates, concentrates and other materials used in in-
dustrial metallurgy. The collection includes articles on the analysis
of metals (including the determination of impurities), alloys, con-
centrates and light metals and alloys, pure noble metals, etc. The present
volume is intended to disseminate the latest experience in working with
spectral laboratories; and to report on the results of scientific re-
search. The author thanks N. I. Oshchepkov and Yu. M. Shvaylov. Almost all
of the articles are accompanied by references.

Zakladnik, G. Ye. Investigation of the Interaction of the Components
of an Alloy on the Degree of Ionization of Atoms

Alshvertskiy, Yu. M. Some Distribution Characteristics of Particles
in an A-C Arc

Kozlovskiy, G. Ye. Investigation of Evaporation Kinetics of Oxidiz-
ing Metallic Electrodes of an Arc

Solov'ev, A. P., O. I. Danilov, and V. P. Shchegolev. Double Re-
fraction of Optical Semiconductors Crystals

Shvaylov, Yu. M. Problem of the Entry of the Probe Material into the
Ionizing Cloud During the Spectral Analysis of Steel

Malyutov, N. O., and E. I. Tsvetkov. Application of Contact Electric
Spectrometer for Determining the Effect of Composition, Structure,
and Mass of Samples During the Spectral Analysis of Certain Alloys
Kharin, V. M., G. P. Kozlovskiy, and V. I. Perelomov. Investi-
gation of the Effect of Structure on the Spectral Analysis Results
of Structural Steel

Tsvetkov, E. I. Investigation of the Spectral Analysis of High-Speed
Cutting Steel

Shchegolev, V. P., G. L. Zakharenko, G. V. Kovalenko, V. P. Kozlovskiy,
and V. I. Kozlovskiy. Spectral Analysis of Steel with a Modernized
Spectrometer

Shchegolev, V. P. Spectral Analysis of Gases Contained in Metals
Using a High-Speed Spectrometer

Shchegolev, A. B., N. A. Pivovarov, and B. A. Solov'ev. Spectral
Analysis of 10% and 75% Permeation

Kovalenko, G. V., A. B. Shchegolev, V. V. Shchegolev, N. I. Gubarenko,
and G. I. Pivovarov. Spectral Analysis of Permeation, Per-
meation, and Titanium Concentration

Kovalenko, A. V. Role of Internal Standard in the Spectral Analysis of
Various Ferrous Alloys

Kovalenko, G. V., N. M. Kovalenko, and A. E. Tsvetkov. Spectral Analysis
of Carbon-Steel Alloys

Kovalenko, G. V. Spectral Methods of Analyzing Products of the Magnesium
and Titanium Industry

Shchegolev, A. B. Application of Spectral Analysis at the Severstal
Metallurgical Plant

Shchegolev, G. I., and L. G. Solov'ev. Spectral Analysis at the
"Ural'skoye" Plant

VLASOV, A.Ya.; KOVALENKO, G.V.; POPOVA, A.V.

Some data on the paleomagnetism of lower Carboniferous sedimentary
rocks of Minusinsk Basin. Geol. i geofiz. no.9:112-114 '61.
(MIRA 14:11)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR, Krasnoyarsk.
(Minusinsk Basin--Rocks--Magnetic properties)

VLASOV, A.Ya.; POPOVA, A.V.; KOVALENKO, G.V.; NIKOLAYCHIK, N.V.

Paleomagnetic studies of Paleozoic sedimentary rocks in central
Siberia. Geol.i geofiz. no.12:95-99 '61. (MIRA 15:5)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR, g. Krasnoyarsk.
(Siberia--Rocks, Sedimentary)

VLASOV, A.Ya.; KOVALENKO, D.V.

Effect of compaction on the residual magnetization of bottom
sediments in the Atlantic. Izv. AN SSSR. Ser.geofiz. no.5:
639-643 My '62. (MIRA 15:8)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR.
(Atlantic Ocean--Deep-sea sediments--Magnetic properties)

VLASOV, A.Ya.; KOVALENKO, G.V.

Some results of magnetic cleaning of samples of sedimentary rocks.
Geol.i geofiz. no.7:109-112 '63. (MIRA 16:10)

1. Institut Fiziki Sibirskogo otdeleniya AN SSSR, Krasnoyarsk.

ACCESSION NO: AP4008100

S/0145/63/000/001/0144/015

AUTHORS: Khvets, I. T. (Professor, Doctor of technical sciences); Fedorov, V. I. (Candidate of technical sciences); Martsenyuk, E. A. (Engineer); Kovalenko, O. V. (Engineer)

TITLE: Analysis of transient processes in twin-shaft gas turbine unit

SOURCE: IVUZ. Mashinostroyeniye, no. 9, 1963, 144-153

TOPIC TAGS: transient process, twin shaft turbine, gas turbine, turbine control, turbine characteristic, turbine

ABSTRACT: The transient characteristics of a 50 000 kw gas turbine installation with three compression stages and two expansion stages were investigated. The schematic diagram of the installation is shown in Fig. 1 on the Enclosure. The pertinent parameters in the diagram are as follows: $P_3 = 2.6 \text{ atm}$, $T_6 = 150^\circ\text{C}$; $P_2 = 6.3 \text{ atm}$, $T_4 = 40^\circ\text{C}$; $P_1 = 17 \text{ atm}$, $T_2 = 370^\circ\text{C}$, $T_1 = 800^\circ\text{C}$; $P_4 = 5.9 \text{ atm}$, $T_4 = 770^\circ\text{C}$; $T_6 = 440^\circ\text{C}$. The control system used to change the speed of the low- and high-pressure compressors and high-pressure turbine between 2700 and 3600 rpm is shown in Fig. 2 on the Enclosure. It consists of a speed regulator (1), a booster (2).

Card 1/4

ACCESSION NR: AP4008100

control valves (3) (for high pressure) and (4) (for low pressure), servo-motors ((
(for high pressure) and (6) (for low pressure). The dynamic equations for this
configuration were derived, and the step response of the system for sudden load
reductions of 100, 50, and 15% were investigated on an analog computer for relative
air consumption $G = 0.6, 0.8, 1.0$. It was found that the gas turbine installation
(without the control system) is stable when the load is suddenly decreased (or
increased) 50 or 100%. The speed overshoot varied within 26% and 60% of the new
final value. With the control system the speed overshoot of the generator was kept
to 3.7% (50% load step) and the speed overshoot of the compressor to 10%. The
moment of inertia of the generator significantly influenced the temperature behavior
before the low- and high-pressure turbines. The volume of the combustion chamber
and air ducts appeared to have negligible effects on transient response. (b)
Results with $G = 0.8$ and 0.6 indicated that although the response is slower, the
system remains stable and the response is sufficient for practical application.
Orig. art. has: 6 figures and 14 formulas.

ASSOCIATION: Institut teploenergetiki AN UkrSSR (Heat Energy Institute AN UkrSSR)

SUBJECT: 004463

DATE ACQ: 09Jan64

ENCL: 02

SUB CODE: MM, (2 P)

NO REF SOV: 002

OTHER: 00

Cont: 2/4

ACCESSION NR: AP4009100

ENCLOSURE: 01

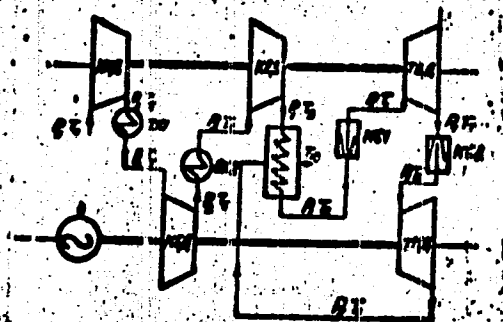


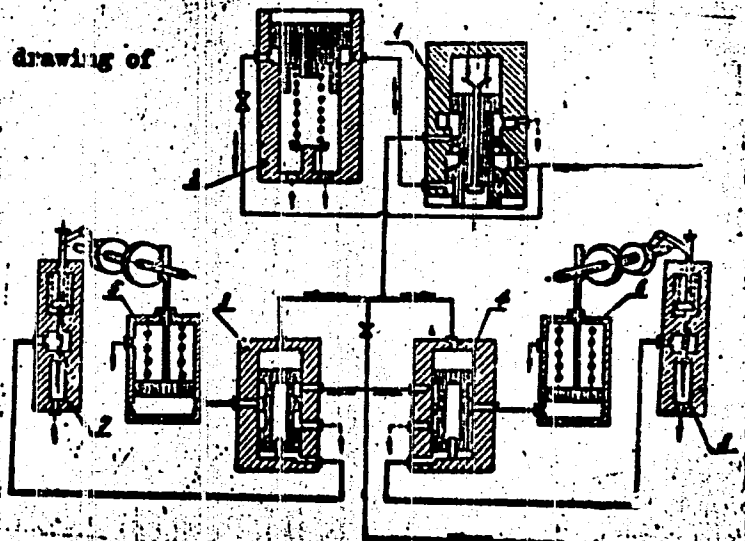
Fig. 1 Schematic drawing of gas turbine installation

Card 3/4

ACCESSION NR: AP4006100

ENCLOSURE: 02

Fig. 2 Schematic drawing of control system



Card 4/4

VLASOV, A. Ya.; KOVALENKO, G.V.

Magnetic anisotropy of artificial sedimentation. Izv. AN SSSR
Ser. geofiz. no.8:1206-1212 Ag '64, (MIRA 17:8)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR.

KOVALENKO, Gennadiy Yakovlevich, zhurnalist; FLEROVSKIY, Aleksey
Ivanovich, zhurnalist; LANINA, L.I., red.; NAZAROVA, A.S.,
tekhn. rec.

[In the country of millionnaires and unemployed; American
notes]V strane millionerov i bezrabortnykh; amerikanskie za-
metki. Mskva, Izd-vo "Znanie," 1962. 47 p. (Novoe v
zhizni, nsuke, tekhnike. X Seriya: Molodezhnaya, no.17)
(MIRA 15:10)

(United States---Social conditions)

VLASOV, A.Ya.; KOVALENKO, G.V.

Magnetism of the transition beds between zones with direct and reversed magnetisation. Izv. AN SSSR. Ser. geofiz. no. 4:552-560
Ap '63. (MIRA 16:4)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR.
(Magnetism, Terrestrial)

107-57-3-43/64

AUTHOR: Kovalenko, I. (s. Prishib, AzSSR)

TITLE: Kerosene Lamp for Heating a Soldering Iron. Experience exchange
(Kerosinovaya lampa dlya nagreva payal'nika. Obmen opytom)

PERIODICAL: Radio, 1957, Nr 3, p 41 (USSR)

ABSTRACT: In rural areas where electric power is not available, an ordinary kerosene lamp can be used for heating a soldering iron. A brass or sheet-iron pipe should be substituted for the lamp glass. A window for the insertion of the soldering iron should be cut through the pipe at a distance of 46 mm from its base.

There is one figure illustrating details of the construction suggested.

... 75-77-1-1-1: Library of Congress

Card 1/1

KOVALENKO, I.; SUBBOTINA, K.

Training of qualified workers for the service industries in
Yugoslavia. Prof.-tekhn. obr. 22 no.5:30-31 My '65.

(MIRA 18:5)

KOVALENKO, I.

Tractors

Don't allow oil waste in S-80 tractors. MTS 12, no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1952, ~~1952~~ 1953. Unclassified.

KOVALENKO, I.

Karaganda nightingale. IUn. nat. no.9:25 S '58. (MIRA 11:10)
(Karaganda--Nightingales)

KOVALENKO, I.

Two weeks in Leopoldville. Zmar.sila 36 no.1:31 Ja '61.

(Leopoldville, Republic of Congo--Description and travel) (MIRA 14:3)

KOVALENKO, I.

Let's have more educational literature. Prof.-takh. obr. 18
no. 3:30-31 Mr '61. (MIRA 14:4)

1. Nachal'nik Vsesoyuznogo uchebno-pedagogicheskogo izdatel'stva
"Proftekhizdat."

(Vocational education)

KOVALENKO, I.

Vocational education in the Mali Republic. Prof.-tekhn.obr. 19
no.11:30-31 N '62. (MIRA 16:2)

(Mali--Vocational education)

KOVALENKO, I.

Let's expand the training of qualified workers for light food and service industries. Prof.-tekh. obr. 21 no.2:22-23 F '64.

(MIRA 17:9)

1. Nachal'nik otde'la Gosudarstvennogo komiteta po professional'no-tekhnicheskomu obrazovan'iyu pri Gorplane SSR.

SMOLYAK, V.A., kand.tekhn.nauk; YASHIN, Yu.F., inzh.; UZLYUK, V.N., inzh.;
Prinipalni uchastnye: BAIYUK, F.B.; KONOVALOV, M.S.; SEL'DYAKOV,
M.I.; TREUB, N.G.; POLOVCHENKO, Yu.I.; KHODOROVSKIY, S.S.;
CHERNYY, A.A.; YEVSEYEV, A.N.; KOVALENKO, I.A.

Radiometric investigation of blast furnace tuyere zones. Stal'
21 no.9:777-782 S '61. (MIRA 14:9)

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz i Zavod im.
Dzerzhinskogo.

(Blast furnaces)

KOVALENKO, I.A.

Observing eyes of nonsalaried communication-work inspectors.
Avtom., telem. i sviaz' 9 no.3:40 Mr '65. (MIRA 18:11)

1. Starshiy elektromekhanik i predsedatel' soveta
obshchestvennykh inspektorov po bezopasnosti dvizheniya
poyezdov Luganskoy distantssi Donetskoy derozi.

KOVALENKO, I.A.

Installation of a waveguide has been justified. Avtom., tel'm.
i svyaz' 9 no.6:39 Je '65. (MIRA 18:8)

1. Starshiy elektromekhanik Luganskoy distantssi Dnetskoj dorogi.

KOVALENKO, I.

Algeria trains her own personnel. Prof.-tekh. str. 21 no. 9-30-31
S '64. (MIRA 17:11)

SHVARTSMAN, I.Sh.; MIKHALEVA, Z.I.; TURCHANINOV, V.S.; PAPAKIN, Kh.M.;
KOVALENKO, I.D.; YUZVUK, D.I.; SAPAROV, V.V.

Stoppers and nozzles from Ural Mountain raw materials.

Ogneupory 28 no.12:538-543 '63.

(MIRA 16:12)

1. Vostochnyy institut ogneuporov (for Shvartsman, Mikhaleva).
2. Nizhne-Tagil'skiy metallurgicheskiy kombinat im. V.I. Lenina (for Turchaninov, Papakin, Kovalenko).
3. Bogdanovichskiy ogneuporny zavod (for Yuzvuk, Saparov).

KOVALENKO, I.F., Cand Agr Sci -- (diss) "Comparative study of
local Belorussian and other regional varieties of red clover un-
der conditions of ^{the} BSSR and methods of their improvement." Minsk,
1959. 14 pp (Acad of Agr Sci BSSR. Belorussian Scientific Res
~~Inst~~ Inst of Agriculture). 100 copies (KI, 39-59, 106)

66

KOVALENKO, Iosif Fomich; PERISTOV, Yu., red.; ZLOBIN, M., tekhn. red.

[Construction of asphalt concrete and cement concrete roads]
Stroitel'stvo asfal'tobetonnykh i tsementnobetonnykh dorog.
Alma-Ata, Kazakhskoy gos. izd-vo, 1962. 118 p.

(MIRA 15:12)

1. Glavnyy inzhener Glavnogo upravleniya shosseynykh dorog pri
Sovete Ministrov Kazakhskoy SSR (for Kovalenko).
(Road construction)

STRELKOV, I.G., doktor sel'khoz. nauk, glav. red.; KOVALENKO, I.F.,
kand. sel'khoz. nauk, red.; SVIRITSKIY, Ya.N., kand. sel'-
khoz. nauk, red.; MIKHALEV, Ya.K., kand. sel'khoz. nauk,
red.; MOSKALEV, A.I., kand. sel'khoz. nauk; LARIN, V.D.,
red.; ZEM'KO, M.M., tekhn. red.

[Pulse crops] Zernobobovye kul'tury. Minsk, Gos.izd-vo
sel'skokhoz. lit-ry BSSR, 1963. 246 p. (MIRA 17:1)

1. White Russia. Ministerstvo sel'skogo khozyaystva.
(White Russia—Legumes)

KOVALENKO, I.F.; BLUMELINSKIY, Ye., spets. red.;

[Highway construction in Kazakhstan] Stroitel'stvo avtomobil'-
nykh dorog v Kazakhstane. Alma-Ata, Ob-vo rasprostraneniia po-
lit. i nauchn. znani Kazakhskoi SSR, 1962. 18 p.

(MIRA 18:5)